

Henry P Schwarcz

List of Publications by Year in descending order

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83
papers

6,205
citations

81900

39
h-index

74163

75
g-index

85
all docs

85
docs citations

85
times ranked

4581
citing authors

#	ARTICLE	IF	CITATIONS
1	Examining prehistoric diet at Tung Wan Tsai, Ma Wan Island, Hong Kong through stable isotope analysis. <i>Journal of Island and Coastal Archaeology</i> , 2024, 19, 196-210.	1.4	0
2	Ashing of bone: errors due to loss of CO ₂ and their correction. <i>Journal of Bone and Mineral Metabolism</i> , 2022, 40, 594-601.	2.7	0
3	X-ray diffraction and in situ pressurization of dentine apatite reveals nanocrystal modulus stiffening upon carbonate removal. <i>Acta Biomaterialia</i> , 2021, 120, 91-103.	8.3	9
4	Interfacial bonding between mineral platelets in bone and its effect on mechanical properties of bone. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021, 113, 104132.	3.1	16
5	Modeling of bending and torsional stiffnesses of bone at sub-microscale: Effect of curved mineral lamellae. <i>Journal of Biomechanics</i> , 2021, 123, 110531.	2.1	6
6	Theoretical and observed C/N ratios in human bone collagen. <i>Journal of Archaeological Science</i> , 2021, 131, 105396.	2.4	15
7	Dataset of oxygen, carbon, and strontium isotope values from the Imperial Roman site of Velia (ca. 1st-4th century CE) at Vagnari, Southern Italy, using ⁸⁷ Sr/ ⁸⁶ Sr and ¹⁸ O variability. <i>American Journal of Physical Anthropology</i> , 2018, 166, 837-850.	1.0	2
8	Carbon and oxygen isotope systematics in cave environments: Lessons from an artificial cave at McMaster Cave. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 272, 137-159.	3.9	12
9	Identification of collagen fibrils in cross sections of bone by electron energy loss spectroscopy (EELS). <i>Micron</i> , 2019, 124, 102706.	2.2	8
10	Mapping the origins of Imperial Roman workers (1st-4th century CE) at Vagnari, Southern Italy, using ⁸⁷ Sr/ ⁸⁶ Sr and ¹⁸ O variability. <i>American Journal of Physical Anthropology</i> , 2018, 166, 837-850.	2.1	30
11	Ultrastructure of Bone: Hierarchical Features from Nanometer to Micrometer Scale Revealed in Focused Ion Beam Sections in the TEM. <i>Calcified Tissue International</i> , 2018, 103, 606-616.	3.1	59
12	The Ultrastructure of Bone and Its Relevance to Mechanical Properties. <i>Frontiers in Physics</i> , 2017, 5, .	2.1	57
13	Oxygen and hydrogen isotopic variations between adjacent drips in three caves at increasing elevation in a temperate coastal rainforest, Vancouver Island, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 172, 370-386.	3.9	19
14	Exploring Dietary Variability in a War of 1812 Skeletal Collection from Stoney Creek, Ontario, Using Stable Carbon and Nitrogen Isotopes. <i>Historical Archaeology</i> , 2015, 49, 54-70.	0.3	8
15	You are not what you eat during physiological stress: Isotopic evaluation of human hair. <i>American Journal of Physical Anthropology</i> , 2015, 157, 374-388.	2.1	65
16	The ultrastructure of bone as revealed in electron microscopy of ion-milled sections. <i>Seminars in Cell and Developmental Biology</i> , 2015, 46, 44-50.	5.0	40
17	Dark-field transmission electron microscopy of cortical bone reveals details of extrafibrillar crystals. <i>Journal of Structural Biology</i> , 2014, 188, 240-248.	2.8	86
18	Isotopic studies of the diet of the people of the coast of British Columbia. <i>American Journal of Physical Anthropology</i> , 2014, 155, 460-468.	2.1	16

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19	Scanning transmission electron microscopic tomography of cortical bone using Z-contrast imaging. <i>Micron</i> , 2013, 49, 46-53.	2.2	47
20	Inter-site variability in the season of shellfish collection on the central coast of British Columbia. <i>Journal of Archaeological Science</i> , 2013, 40, 626-636.	2.4	35
21	Macroholes in stalagmites and the search for lost water. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	9
22	A Model for the Ultrastructure of Bone Based on Electron Microscopy of Ion-Milled Sections. <i>PLoS ONE</i> , 2012, 7, e29258.	2.5	171
23	A New Method for Determination of Postmortem Interval: Citrate Content of Bone*. <i>Journal of Forensic Sciences</i> , 2010, 55, 1516-1522.	1.6	59
24	Age of the Dakhleh impact event and implications for Middle Stone Age archeology in the Western Desert of Egypt. <i>Earth and Planetary Science Letters</i> , 2010, 291, 201-206.	4.4	15
25	Multi-proxy geoarchaeological study redefines understanding of the paleocoastlines and ancient harbours of Liman Tepe (Iskele, Turkey). <i>Terra Nova</i> , 2009, 21, 97-104.	2.1	24
26	Potential consequences of a Mid-Pleistocene impact event for the Middle Stone Age occupants of Dakhleh Oasis, Western Desert, Egypt. <i>Quaternary International</i> , 2009, 195, 138-149.	1.5	7
27	Stable isotopic evidence for diet in a Roman and Late Roman population from Leptiminus, Tunisia. <i>Journal of Archaeological Science</i> , 2009, 36, 51-63.	2.4	87
28	Isoscapes to Address Large-scale Earth Science Challenges. <i>Eos</i> , 2009, 90, 109-110.	0.1	45
29	An absolute paleotemperature record from 10 to 6Ka inferred from fluid inclusion D/H ratios of a stalagmite from Vancouver Island, British Columbia, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 1014-1026.	3.9	50
30	The Dakhleh Glass: Product of an impact airburst or cratering event in the Western Desert of Egypt?. <i>Meteoritics and Planetary Science</i> , 2008, 43, 2089-2107.	1.6	33
31	Evidence for a ^{14}C -100ka meteorite impact in the Western Desert of Egypt. <i>Earth and Planetary Science Letters</i> , 2007, 253, 378-388.	4.4	44
32	Isotopic evidence for age-related immigration to imperial Rome. <i>American Journal of Physical Anthropology</i> , 2007, 132, 510-519.	2.1	211
33	Stable carbon isotope signature of ancient maize agriculture in the soils of Motul de San Jos�, Guatemala. <i>Geoarchaeology - an International Journal</i> , 2007, 22, 291-312.	1.5	40
34	The skeletal structure of <i>Desmophyllum cristagalli</i> : the use of deep-water corals in sclerochronology. <i>Lethaia</i> , 2007, 32, 119-130.	1.4	40
35	ISOTOPES IN SPELEOTHEMS. , 2006, , 185-225.		73
36	Isotopic evidence for age-related variation in diet from Isola Sacra, Italy. <i>American Journal of Physical Anthropology</i> , 2005, 128, 2-13.	2.1	102

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37	A reconstruction of Quaternary pluvial environments and human occupations using stratigraphy and geochronology of fossil-spring tufas, Kharga Oasis, Egypt. <i>Geoarchaeology - an International Journal</i> , 2004, 19, 407-439.	1.5	121
38	Isotopic paleodiet studies of skeletons from the Imperial Roman-age cemetery of Isola Sacra, Rome, Italy. <i>Journal of Archaeological Science</i> , 2004, 31, 259-272.	2.4	183
39	Late Pleistocene paleoclimate in the Black Hills of South Dakota from isotope records in speleothems. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 203, 1-17.	2.3	34
40	U-series Dating of a Speleothem from Inazumi Cave, Oita Prefecture, Japan. <i>Journal of Ion Exchange</i> , 2003, 14, 225-228.	0.3	0
41	Chronometric Dating in Archaeology: A Review. <i>Accounts of Chemical Research</i> , 2002, 35, 637-643.	15.6	12
42	Organic substances in cave drip waters: studies from Marengo Cave, Indiana. <i>Canadian Journal of Earth Sciences</i> , 2002, 39, 279-284.	1.3	22
43	Patterns of isotopic disequilibria in azooxanthellate coral skeletons. <i>Hydrobiologia</i> , 2002, 471, 111-115.	2.0	24
44	Causes of colour and fluorescence in speleothems. <i>Chemical Geology</i> , 2001, 175, 319-341.	3.3	72
45	Infant feeding and weaning practices in Roman Egypt. <i>American Journal of Physical Anthropology</i> , 2001, 115, 204-212.	2.1	164
46	Seasonal variability in organic substances in surface and cave waters at Marengo Cave, Indiana. <i>Hydrological Processes</i> , 2000, 14, 1177-1197.	2.6	34
47	External dose rate determinations for ESR dating at Bau de l'Â€™Aubesier, Provence, France. <i>Quaternary International</i> , 2000, 68-71, 345-361.	1.5	13
48	Continental Oxygen Isotopic Record of the Last 170,000 Years in Jerusalem. <i>Quaternary Research</i> , 1999, 51, 317-327.	1.7	189
49	Marine-based Subsistence Trends and the Stable Isotope Analysis of Dog Bones from Namu, British Columbia. <i>Journal of Archaeological Science</i> , 1999, 26, 399-407.	2.4	89
50	Stable carbon and oxygen isotopes in human tooth enamel: Identifying breastfeeding and weaning in prehistory. <i>American Journal of Physical Anthropology</i> , 1998, 106, 1-18.	2.1	375
51	A submerged stalactite from Belize: Petrography, geochemistry, and geochronology of massive marine cementation. <i>Carbonates and Evaporites</i> , 1998, 13, 189-197.	1.0	18
52	Stable carbon and oxygen isotopes in human tooth enamel: Identifying breastfeeding and weaning in prehistory. <i>American Journal of Physical Anthropology</i> , 1998, 106, 1-18.	2.1	3
53	Rapid climate change in the North Atlantic during the Younger Dryas recorded by deep-sea corals. <i>Nature</i> , 1997, 386, 818-820.	27.8	108
54	Dating a flautist? Using ESR (electron spin resonance) in the Mousterian cave deposits at Divje Babe I, Slovenia. , 1997, 12, 507-536.		12

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55	Infrared and Isotopic Evidence for Diagenesis of Bone Apatite at Dos Pilas, Guatemala: Palaeodietary Implications. <i>Journal of Archaeological Science</i> , 1996, 23, 933-944.	2.4	312
56	Whose teeth?. <i>Nature</i> , 1996, 381, 202-202.	27.8	10
57	Coygan Cave, Laugharne, South Wales, a Mousterian Site and Hyaena Den: a Report on the University of Cambridge Excavations. <i>Proceedings of the Prehistoric Society</i> , London, 1995, 61, 37-79.	0.7	21
58	Early Homo and associated artefacts from Asia. <i>Nature</i> , 1995, 378, 275-278.	27.8	220
59	Stable Isotope Evidence for Maize Horticulture and Paleodiet in Southern Ontario, Canada. <i>American Antiquity</i> , 1995, 60, 335-350.	1.1	122
60	Temporal trends in stable isotopes for Nubian mummy tissues. <i>American Journal of Physical Anthropology</i> , 1994, 93, 165-187.	2.1	127
61	Current challenges to ESR dating. <i>Quaternary Science Reviews</i> , 1994, 13, 601-605.	3.0	39
62	The Mesolithic-Neolithic Transition in Portugal: Isotopic and Dental Evidence of Diet. <i>Journal of Archaeological Science</i> , 1994, 21, 201-216.	2.4	290
63	Intensive Agriculture, Social Status, and Maya Diet at Pacbitun, Belize. <i>Journal of Anthropological Research</i> , 1993, 49, 347-375.	0.1	78
64	Some theoretical aspects of isotope paleodiet studies. <i>Journal of Archaeological Science</i> , 1991, 18, 261-275.	2.4	281
65	Laurentide Ice Sheet Extent Inferred from Stable Isotopic Composition (O,C) of Ostracodes at Toronto, Canada. <i>Quaternary Research</i> , 1991, 35, 305-320.	1.7	18
66	Stable isotope analyses in human nutritional ecology. <i>American Journal of Physical Anthropology</i> , 1991, 34, 283-321.	2.1	480
67	Electron Spin Resonance Dating of the Pleistocene Coral Reef Tracts of Barbados. <i>Quaternary Research</i> , 1988, 29, 197-215.	1.7	62
68	Discussion Comments on Multiple Dating of a Long Flowstone Profile. <i>Radiocarbon</i> , 1987, 29, 148-152.	1.8	4
69	Absolute dating by uranium series disequilibrium of bones from the cave of La Chaise-de-Vouthon (Charente), France. <i>Earth Surface Processes and Landforms</i> , 1987, 12, 543-550.	2.5	10
70	Stable isotopes in human skeletons of Southern Ontario: reconstructing Palaeodiet. <i>Journal of Archaeological Science</i> , 1985, 12, 187-206.	2.4	192
71	$^{230}\text{Th}/^{234}\text{U}$ age of a Mousterian site in France. <i>Nature</i> , 1983, 301, 236-237.	27.8	23
72	Rates of cave and landform development in the Yorkshire Dales from speleothem age data. <i>Earth Surface Processes and Landforms</i> , 1983, 8, 557-568.	2.5	39

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73	Marine and Terrestrial Protein in Prehistoric Diets on the British Columbia Coast. <i>Current Anthropology</i> , 1983, 24, 396-398.	1.6	92
74	Changes of 2H and 18O enrichment of meteoric water and Pleistocene glaciation. <i>Nature</i> , 1981, 290, 125-128.	27.8	37
75	ã,1ãfšãf-ã,ãã»ãfæµã½“ãĒ...æœ%ç%©ã®é...çãĒã½ã½“æ”ã®ã^†æž. <i>Journal of the Mass Spectrometry Society of Japan</i> , 1981, 29, 1-12.		
76	A palaeotemperature record for the mid-Wisconsin in Vancouver Island. <i>Nature</i> , 1980, 285, 474-476.	27.8	49
77	Uranium series dating of travertine from archaeological sites, Nahal Zin, Israel. <i>Nature</i> , 1979, 277, 558-560.	27.8	63
78	Late Pleistocene Sea Level History of Bermuda. <i>Quaternary Research</i> , 1978, 9, 205-218.	1.7	105
79	Late Pleistocene Paleoclimates of North America as Inferred from Stable Isotope Studies of Speleothems. <i>Quaternary Research</i> , 1978, 9, 54-70.	1.7	79
80	An oxygen isotope study of the Loon Lake pluton and the Apsley gneiss, Ontario. <i>Contributions To Mineralogy and Petrology</i> , 1976, 54, 1-16.	3.1	19
81	Fractionation of carbon and oxygen isotopes and magnesium between coexisting metamorphic calcite and dolomite. <i>Contributions To Mineralogy and Petrology</i> , 1970, 26, 161-198.	3.1	412
82	Electron Spin Resonance Dating of Fault Rocks. <i>AGU Reference Shelf</i> , 0, , 177-186.	0.6	6
83	The Green Deer: Chaya as a Potential Source of Protein for the Ancient Maya. <i>Latin American Antiquity</i> , 0, , 1-12.	0.6	1